

Claims

[c1] What is claimed is:

1. A safety arrangement for a weapon including a firing mechanism having a trigger bar, the safety arrangement comprises:

means for disabling the trigger bar comprising a shape memory alloy member deployed to move the trigger bar in a predetermined direction, the trigger bar being moved in said direction when a current is received by the al oymember in response to the absence of an authorized user.

[c2] 2. The safety arrangement of claim 1 wherein said shape memory alloy is nitinol.

[c3] 3. A safety arrangement for a weapon including a firing mechanism having a trigger bar, the safety arrangement comprises:

means for activating the operation of the trigger bar enabling operation of the weapon, comprising an actuator for moving the trigger bar in a second direction, the actuator comprising a shape memory alloy member adapted to receive an electrical signal whereby the actuator contracts and moves the trigger

bar in said second direction to enable operation of the weapon.

- [c4] 4. The safety arrangement of claim 3 wherein said actuator comprises nitinol alloy.